

METHOD OF SEISMIC EXPLORATION BY  
DISCRIMINATING HORIZONTAL AND VERTICAL SHEAR WAVES

ABSTRACT OF THE DISCLOSURE

The invention is a method of geophysical exploration using seismic methods. The receivers and the source are rotated to one another, such that the orthogonal excitations of the seismic source are readily differentiated. The differentiation of the differently excited energies can be accomplished in devolving the seismic events and reception of those events into a radial-tangential coordinate system for each receiver source pair. The differentiation of the differently aligned energies allows a greater insight into the volumetric study of the strata making up the prospect volume.